Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1.   (Currently Amended) A method comprising:

obtaining performance data on a first program run on a first system configuration of a <u>first</u> system and obtaining performance data on the first program run on a second system configuration of the <u>first</u> system, the performance data including a separate system profile for the program corresponding to the first and second system configurations, the performance data obtained from a tool; and

automatically sorting the performance data for each profile to allow for comparison between profiles.

2.   (Previously Presented) The method of claim 1 further comprising:

obtaining performance data on the first program run on a first system configuration of a second system and obtaining performance data on the first program run on a second system configuration of the second system, the performance data including a separate system profile for the program corresponding to the first and second system configurations of the second system, the performance data obtained from a tool; and

automatically sorting the performance data for each profile to allow for comparison between profiles.

3.   (Original) The method of claim 2 further comprising comparing the performance data of the first system with the second system.

4.   (Original) The method of claim 3 further comprising:

obtaining additional performance data for both systems using the tool;

automatically sorting the additional performance data of both systems; and

comparing the additional performance data of the first system with the second system.

5.   (Original) The method of claim 1 wherein obtaining performance data on a number of programs that run on a system comprises:

collecting data on multiple programs run on a system during a sampling period based on performance counters; and

transferring the data to a file.

6.   (Original) The method of claim 5 wherein one performance counter is clockticks.

7.   (Original) The method of claim 5 wherein one performance counter is retired instructions.

8.   (Original) The method of claim 5 wherein one performance counter is cache misses.

9.   (Original) The method of claim 1 wherein automatically sorting and prioritizing the performance data for each profile to allow for comparison between profiles comprises:

dividing an address range of each program into a number of bins; and

listing the performance data for each bin according to specified criteria.

10.   (Original) The method of claim 9 wherein the specified criteria is time-based.

11.   (Original) The method of claim 1 wherein automatically sorting the performance data for each profile to allow for comparison between profiles comprises:

dividing each profile for each program into a number of modules and functions; and

listing the performance data for each module and each function.

12.   (Original) The method of claim 1 further comprising transferring the sorted data onto a file.

13.   (Original) The method of claim 1 further comprising displaying the sorted information on a display.

14.   (Original) The method of claim 1 wherein the performance data profiles include central processing unit (CPU) event measurements.

15.   (Previously Presented) The method of claim 1 wherein the first system is a first processor and the second system is a second processor.

16.   (Previously Presented) A machine-readable storage medium tangibly embodying

a sequence of instructions executable by the machine to perform a method, the method

comprising: .

obtaining performance data on a first program run on a first system configuration

of a system and obtaining performance data on the first program run on a second system

configuration of the system, the performance data including a separate system profile for

the program corresponding to the first and second system configurations, the performance

data obtained from a tool; and

automatically sorting the performance data for each profile to allow for

comparison between profiles.

17.   (Original) The machine-readable storage medium of claim 16 wherein the

performance data profiles include central processing unit (CPU) event measurements.

18.   (Original) The machine-readable storage medium of claim 16 wherein the system

is a processor.

19.   (Currently Amended) A system comprising:

A tool to obtain performance data on a first program run on a first system

configuration of a system and to obtain performance data on the first program run on a

second system configuration of the system, the performance data to include a separate

system profile for the program corresponding to the first and second system

configurations, the performance data to be obtained from a tool; and; and

a sorter to automatically sort the performance data for each profile to allow for comparison between profiles.

20. (Original) The system of claim 19 further comprising a comparator to compare the profiles.

21. (Original) The system of claim 19 further comprising a display to display the sorted information.

22. (Previously Presented) The system of claim 19 wherein the performance data profiles is to include central processing unit (CPU) event measurements.

23. (Original) The system of claim 22 wherein the system is a processor.

24. (Previously Presented) The system of claim 19 wherein the tool is to obtain performance data collected according to performance counters.

25. (Original) The system of claim 24 wherein one performance counter is clockticks.

26. (Original) The system of claim 24 wherein one performance counter is retired instructions.

27.   (Original) The system of claim 24 wherein one performance counter is cache misses.